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Approved for use through 9/30/98 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<u> </u>	Application Number	
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FEE TRANSMITTAL	First Named Inventor	r William E. Chambers, Sr.
	Group Art Unit	
	Examiner Name	
otal Amount of Payment (\$) 513.00	Attorney Docket Num	nber 623-00027
METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)
The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account 01.2000	Fee Fee Fee	65 Surcharge-late filing fee or oath 25 Surcharge-late provisional filing fee
ANDRUS, SCEALES, STARKE & SAWALL Charge any addition- al fee required under 37 CFR 1.16 and 1.17 Charge the Issue Fee set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)	139 130 139 147 2,460 147 112 900* 112	or cover sheet 130 Non-English specification 2,460 For filing a request for reexamination 900* Requesting publication of SIR prior to Examiner action 1,790* Requesting publication of SIR after Examiner action 55 Extension for response within first month
XX Payment Enclosed: Money	116 390 216 117 930 217	195 Extension for response within second month 465 Extension for response within third
XX Check Order Other	118 1,470 218	month 735 Extension for response within fourth
FEE CALCULATION (fees effective 10/01/96) FILING FEE arge Entity Small Entity Fee See Fee Fee Description Paid Sode (\$) Code (\$)	119 300 219 120 300 220 121 260 221 138 1,470 138	month 150 Notice of appeal 150 Filing a brief in support of an appeal 130 Request for oral hearing 1,470 Petition to institute a public use proceeding 55 Petition to revive unavoidably
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107 530 207 265 Plant filing fee	142 1.290 242 143 440 243 144 650 244 122 130 122 123 50 123	abandoned application 645 Utility issue fee (or reissue) 220 Design issue fee 325 Plant issue fee 130 Petitions to the Commissioner 50 Petitions related to provisional applications
2. CLAIMS Extra Fee from Fee Paid below	126 230 126 581 40 581	230 Submission of Information Disclosure Stmt
Total claims	146 770 246	property (times number of properties) 385 Filing a submission after final rejection (37 CFR 1.129(a))
Claims Multiple DependentX= Claims	149 770 249	
Claims Large Entity Small Entity Fee Fee Fee Fee Description Code (\$) Code (\$)		y)
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SUBMITTED BY		Complete (if applicable)
Typed or printed name Andrew S. McConnell		Registration Number 32,272
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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	Filing Date	2				
FEE TRANSMITTAL	First Name	d Invento	r	William E. Cha	ambers, Sr.	
	Group Art I	Unit				
	Examiner N	ame				
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Total claims $28-20= 8 \times 11 = 88$ Independent $4-3= 1 \times 40 = 40$	146 7	70 246	3	85 Filingas	y (times number of propertie ubmission after final reject	tion
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ARTIFICIAL BAIT STRUCTURE

Inventor: William E. Chambers, Sr.



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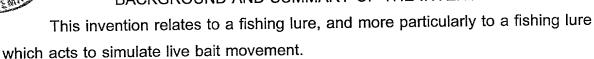
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ARTIFICIAL BAIT STRUCTURE

BACKGROUND AND SUMMARY OF THE INVENTION



Common jig-type fishing lures include a fish hook having a mass of material, usually metal, formed around the end of the hook opposite the barb to create a jighead. An attachment eye is attached to and extends outwardly from the jighead to provide a point of connection to a fishing line. The jighead is often painted a bright color to attract the attention of a fish.

Typically, a fisherman attaches bait such as minnow, pork rind, or a plastic rubber worm, to the hook. When a conventional fishing jig, as described, is cast out and reeled in, the configuration of the jighead creates several drawbacks. First, since jigheads are typically uniform in shape and somewhat streamlined, the fishing jig tends to travel through the water in a straight path, drawing the bait similarly through the water in a straight path. Such straight line movement of the bait through the water does not typically attract fish.

In order to alleviate this problem, a live minnow is often attached to the fishing jig, such that the swimming movement of the minnow will attract fish. However, after being cast out and reeled in repeatedly, the minnow tires and tends to be drawn through the water in a straight path, defeating the original purpose for using the live bait. Further, the constant replacement of the minnow on the fishing jig can be troublesome and expensive.

As an alternative to the use of a live minnow, many attempts have been made to provide fishing jigs and/or artificial bait which simulate live bait movement. The most common attempt includes a mechanism, such as a fin, which causes the lure to wobble when the lure is pulled through the water by a fishing line. However, these types of lures are generally large in size and costly to manufacture.

A second drawback of using a fishing jig relates to the weight of a conventional fishing jig. Jigheads are typically made of metal, and hence normally sink and travel near the bottom of the lake or river where the exposed hook can be easily entangled in the weeds. It is well known in the fishing industry to render a hook weedless by providing a series of reedlike deflectors that originate from the shank of the hook and extend to a point near the barb of the hook. To be effective, the weed deflector must be stiff enough to deflect the weed so that it will not contact and become entangled in

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the hook, while not being too stiff to interfere with the setting of the hook in the mouth of the fish. As with fishing lures which have attempted to simulate live bait movement, these modifications to the hook may be difficult and costly to manufacture.

Therefore, it is a primary object and feature of the present invention to provide an artificial bait structure for use with a conventional fishing jig which is simple and inexpensive to manufacture.

It is a further object and feature of the present invention to provide an artificial bait structure which simulates live bait movement and which discourages the entanglement of the fishing hook in weeds.

In accordance with the present invention, an artificial bait structure includes a head having a first forward end and a second rearward end. First and second generally flat fins or legs project rearwardly from the rearward end of the head along a longitudinal axis. Each leg is defined by a first inner edge and a second outer edge, and terminates at a rearward end. A projection extends rearwardly from the rearward end of each leg.

A rib extends along the outer edge of each leg between the head and the rearward end of the corresponding leg. In addition, protrusions or nipples project from the topside of the head and both sides of the each leg. The ribs and the nipples add surface area to the artificial bait structure, which, in turn, causes the legs to flutter so as to simulate the movement of live bait. Further, the generally flat surface area of the legs urges the artificial bait structure, and hence the fishing jig, upwardly when the artificial bait structure is drawn through the water keeping the fishing jig and the artificial bait out of weeds on the bottom of a lake or a river.

BRIEF DESCRIPTION OF THE DRAWINGS

The drawings furnished herewith illustrate the best mode of the present invention in which the above advantages and features are clearly understood from the following description of the illustrated embodiment.

In the drawings:

- Fig. 1 is an isometric view of the artificial bait structure of the present invention;
- Fig. 2 is a side elevational view of the artificial bait structure of Fig. 1;
- Fig. 3 is a top plan view of the artificial bait structure of Fig. 1;
- Fig. 4 is a bottom plan view of the artificial bait structure of Fig. 1;
- Fig. 5 is a front elevational view of the artificial bait structure of Fig. 1;
- Fig. 6 is a rear elevational view of the artificial bait structure of Fig. 1;

Fig. 7 is a side elevational view of the artificial bait structure of Fig. 1 mounted onto a fishing jig;

Fig. 8 is a side elevational view showing the artificial bait structure of Fig. 1 in a plurality of positions, in phantom, simulating live bait movement;

Fig. 9 is a bottom plan view showing the artificial bait structure of Fig. 1 in a plurality of positions, in phantom, simulating live bait movement; and

Fig. 10 is a cross-sectional view of the artificial bait structure of Fig. 7 taken along line 10-10.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring to Figs. 1-6, the artificial bait structure of the present invention is generally designated by the reference numeral 10. The artificial bait structure 10 extends along a longitudinal front-rear axis and includes a head 12 having a first forward end 14 and a second rearward end 16. Head 12 further includes a generally planar lower surface 18 and a generally planar upper surface 20, which is integral and continuous with upper surfaces 22 and 24 defined by legs 26 and 28, respectively, as hereinafter described. Head 12 is defined by a U-shaped outer edge 30 which includes a first upper portion 32 perpendicular to the upper surface 20 of head 12, and a tapered or chamfered lower portion 34 which facilitates the removal of artificial bait structure 10 from a mold, as is known.

As previously described, artificial bait structure 10 includes first and second generally flat fins or legs 26, 28, respectively, projecting rearwardly from the rearward end 16 of head 12. Legs 26 and 28 define arcuate, convex outer edges 36 and 38, respectively, which extend between the rearward end 16 of head 12, and rearward ends 40, 42 defined by legs 26 and 28, respectively. Flexible projections 35 and 37 extend from rearward ends 40 and 42, respectively, and are offset in an inward direction from the longitudinal axis of legs 26 and 28, respectively. Artificial bait structure 10 further includes a joined portion 48 located immediately rearwardly of head 12 wherein a forward portion of legs 26 and 28 are joined to each other.

Legs 26 and 28 define inner edges 44 and 46, respectively, which extend from the joined portion 48 of the artificial bait structure 10, to the corresponding rearward end 40 and 42 of legs 26 and 28, respectively. Inner edges 44 and 46 include a first rearward linear portion 50 and 52, respectively, and a second forward concave portion 54 and 56, respectively, which curves outwardly toward corresponding outer edges 36 and 38 of legs 26 and 28, respectively. Concave portions 54 and 56

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together define a generally elliptical opening in bait structure 10, and linear portions 50 and 52 define a rearwardly divergent gap between legs 26 and 28 extending between the elliptical opening and the rearward end of bait structure 10.

Upper surfaces 22 and 24 of legs 26 and 28, respectively, and the upper surface 20 of head 12, include a plurality of upwardly extending projections or nipples 58 which are arranged in parallel, spaced rows 60a-n. Rows 60a-n extend in a direction transverse to the longitudinal axis of artificial bait structure 10. In the preferred embodiment, each nipple 58 is generally cylindrical in shape. However, it is contemplated as being within the scope of the present invention to provide nipples 58 with any other satisfactory shape, such as a semi-spherical shape. Nipples 58 are provided in order to increase the surface area of the upper surface 20 of head 12 and the surface area of the upper surfaces 22 and 24 of legs 26 and 28, respectively, for reasons hereinafter described.

Legs 26 and 28 further include second, generally planar, bottom surfaces 62 and 64, respectively. Bottom surfaces 62 and 64 of legs 26 and 28, respectively, also includes a plurality of downwardly extending projections or nipples 66 arranged in parallel, spaced rows 68a-h. Rows 68a-h extend in a direction transverse to the longitudinal axis of artificial bait structure 10. In the preferred embodiment, each nipple 66 is generally cylindrical in shape. However, it is contemplated as being within the scope of the present invention to provide nipples 66 with any other satisfactory shape, such as a semi-spherical shape. As with nipples 58, nipples 66 are provided on bottom surfaces 62 and 64 of legs 26 and 28, respectively, in order to increase the surface area of the bottom surfaces 62 and 64, for reasons hereinafter described.

Bottom surfaces 62 and 64 of legs 26 and 28, respectively, include outer ribs 70 and 72, respectively, which depend downwardly from the outer edges 36 and 38 of legs 26 and 28, respectively, and which extend between head 12 and rearward ends 40 and 42 of legs 26 and 28, respectively. Each rib 70 and 72 provides a certain amount of stiffness to the outer edge of its respective leg relative to the thin inner portion of the leg, and also increases the surface area to the bottom surfaces 62 and 64 of legs 26 and 28, respectively. Ribs 70 and 72 also function to direct water toward the bottom surfaces 62 and 64 of legs 26 and 28, respectively, as artificial bait structure 10 is drawn through the water. By directing water toward the bottom

surfaces 62 and 64 of legs 26 and 28, respectively, artificial bait structure 10 is urged upwardly in the water.

Referring to Figs. 2, 4 and 7-8, the joined portion 48 of artificial bait structure 10, is generally planar and is interconnected to head 12 by a thickened portion 76 which strengthens the connection of legs 26 and 28 to head 12. Thickened portion 76 also directs water toward the bottom surfaces 62 and 64 of legs 26 and 28, respectively, as artificial bait structure 10 is drawn through the water so as to urge the artificial bait structure 10 upwardly in the water.

Referring to Fig. 7, a fishing jig for use with the present invention is generally designated by the reference numeral 80. As illustrated, fishing jig 80 is generally comprised of a molded head 82, a hook member 84, and an attachment eye 86. Hook member 84 includes a generally straight shank 88 which projects rearwardly along an axis from the tail end of molded head 82. Shank 88 extends rearwardly until it is bent upward to create a curved section 90. Curved section 90 forms a generally semi-cylindrical configuration and is joined to a tail section 92 that extends forward and generally parallel to shank 88. In a preferred embodiment, the tail section 92 terminates at a barb 94. As is known, barb 94 is placed on tail section 92 to securely hold hook 84 in the mouth of the fish and prevent removal therefrom.

Molded head 82 includes a body 96 which is generally spherical in shape. As seen in Fig. 7, shank 88 of hook member 84 is joined to spherical body 96 at approximately the spherical equator of body 96. Also joined to the spherical body 96 is attachment eye 86. The attachment eye 86 defines an opening 98 therethrough in which a fishing line 100 is attached.

Attachment eye 86 is generally positioned along an axis passing through the center of spherical body 96. The attachment eye 86 can be attached to spherical body 96 by any conventional means such as welding, or preferably, the attachment eye 86 can be formed at the end of shank 88, which may extend through molded head 82. As such, a portion of shank 88 containing attachment eye 86 protrudes from molded head 82 such that attachment eye 86 is securely mounted to spherical body 96, as is shown.

In operation, fishing line 100 extends through opening 98 in attachment eye 86 and a knot 102 is formed in fishing line 100 so as to interconnect fishing line 100 with fishing jig 80. Tail section 92 of hook member 84 is inserted through the head 12 of artificial bait structure 10 such that head 12 is captured on hook member 84, as

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shown in Fig. 7. Head 12 is partially received on shank 88 and on curved section 90 such that barb 94 of hook member 84 is spaced from the upper surface 20 of head 12, so as not to interfere with the setting of hook member 84 in the mouth of a fish.

As is conventional, a fisherman casts fishing line 100 and hence fishing jig 80 and artificial bait structure 10 attached thereto, into the water and allows fishing jig 80 and artificial bait structure 10 to partially sink toward the bottom of the lake or river. Once fishing jig 80 and artificial bait structure 10 has reached a predetermined depth, the fisherman begins to reel in the fishing line 100. As the fisherman begins to reel in the fishing line 100, tension is placed on the fishing line 100 and causes fishing jig 80 and artificial bait structure 10 to assume their operative position of Fig. 7.

As fishing line 100 is reeled in by the fisherman, the fishing jig 80 and the artificial bait structure 10 travel forwardly through the water. As water strikes upper and lower portions 32 and 34, respectively of head outer edge 30, together with upper surface 20 and lower surface 18 of head 12, turbulence is created in the water. The agitated water strikes upper surfaces 22 and 24 of legs 26 and 28, respectively, and bottom surfaces 62 and 64 of legs 26 and 28, respectively, such that the legs 26 and 28 begin to flap or flutter upwardly and downwardly in the water, as shown in phantom in Fig. 8. As the water flows horizontally across upper surfaces 22 and 24 of legs 26 and 28, respectively, and bottom surfaces 62 and 64 of legs 26 and 28, respectively, the water engages nipples 58 on leg upper surfaces 22 and 24 and engages nipples 66 projecting from leg bottom surfaces 62 and 64. Such contact of the water with nipples 58 and 66 functions to increase and enhance turbulence of the water, thus facilitating and enhancing the fluttering effect. In addition, the agitated water strikes flexible projections 35 and 37 extending from rearward ends 40 and 42, respectively, of legs 26 and 28, respectively. Such contact of the water with flexible projections 35 and 37 also further facilitates the fluttering effect and causes twisting action of legs 26 and 28 relative to their respective longitudinal axes.

In addition, as the artificial bait structure 10 is drawn through the water, ribs 70 and 72 extending adjacent to the outer edges 36 and 38 of legs 26 and 28, respectively, and thickened portion 76 of artificial bait structure 10, function to cup the water flowing therepast, so as to urge the water into the gap between the linear inner edge portions 50 and 52 of legs 26 and 28, respectively. By urging the water between the linear inner edge portions 50 and 52 of legs 26 and 28, respectively, the water separates legs 26 and 28, as shown in phantom in Fig. 9.

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With legs 26 and 28 separated, the cupping effect caused by ribs 70 and 72 of legs 26 and 28, respectively, and thickened portion 76, dissipates. Consequently, the water engages outer edges 36 and 38, and ribs 70 and 72 of legs 26 and 28, respectively, thereby urging legs 26 and 28 back together, such that the inner edge linear portion 50 and 52 of legs 26 and 28, respectively, are moved into abutment, as shown in phantom in Fig. 9. The process is repeated as the artificial bait structure is drawn through the water. By combining the upward-downward fluttering movement of the legs 26 and 28 with continual lateral movement of legs 26 and 28 apart and together, artificial bait structure 10 simulates the movement of live bait and functions to effectively attract fish and agitate the fish into striking bait structure 10.

In addition to causing the continual lateral movement of legs 26 and 28, the cupping effect causes an increased amount of water to strike the bottom surfaces 62 and 64 of legs 26 and 28, respectively, in an upward direction. Due to the substantial surface area of bottom surfaces 62 and 64 of each leg 26 and 28, respectively, the water flowing past these surfaces 62 and 64 urges artificial bait structure 10 upward in the water. Such upward movement of the artificial bait structure 10 in the water discourages travel of fishing jig 10 near the bottom of the lake or river wherein hook 84 may become entangled in the weeds.

Various modes of carrying out the invention are contemplated as being in the scope of the following claims, particularly pointing out and distinctly claiming the subject matter regarded as the invention.

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CLAIMS

I claim:

1. An artificial bait structure, comprising:

a head having a first forward end and a second, rearward end; and first and second legs projecting rearwardly from the rearward end of the head, each leg defined by a first inner edge and a second outer edge, and terminating at a rearward end.

- 2. The artificial bait structure of claim 1, further comprising a rib extending along an outer edge of each leg between the head and the rearward end of the leg.
- 3. The artificial bait structure of claim 1 wherein the head includes a first generally planar upper surface and an opposite, second, generally planar bottom surface.
- 4. The artificial bait structure of claim 3 wherein each leg has an upper surface lying in a common plane with the upper surface of the head and an opposite, generally planar bottom surface, and wherein the head has a thickness greater than that of the legs such that the bottom surface of the head is located below the bottom surfaces of the legs.
- 5. The artificial bait structure of claim 1 wherein each leg includes a generally planar upper surface, and an opposite, generally planar bottom surface.
- 6. The artificial bait structure of claim 5 wherein the bottom surface of each leg includes a plurality of nipples projecting downwardly therefrom.
- 7. The artificial bait structure of claim 6 wherein each nipple projecting from the bottom surface of each leg lies in a row transverse to a longitudinal axis along which the leg extends.
- 8. The artificial bait structure of claim 7 wherein each nipple is generally cylindrical in shape.
- 9. The artificial bait structure of claim 3 wherein the upper surface of the head includes a plurality of nipples projecting upwardly therefrom.
- 10. The artificial bait structure of claim 9 wherein each nipple projecting from the upper surface of the head lies in a row transverse to a longitudinal axis along which the artificial bait structure extends.
- 11. The artificial bait structure of claim 10 wherein each nipple projecting from the upper surface of the head is generally cylindrical in shape.

- 12. The artificial bait structure of claim 5 wherein the upper surface of each leg includes a plurality of nipples projecting upwardly therefrom.
- 13. The artificial bait structure of claim 12 wherein each nipple projecting from the upper surface of each leg lies in a row transverse to a longitudinal axis along which the leg extends.
- 14. The artificial bait structure of claim 13 wherein each nipple projecting from the upper surface of each leg is generally cylindrical in shape.
- 15. The artificial bait structure of claim 6 whrein the head includes a first generally planar upper surface and an opposite, second, generally planar bottom surface, the upper surface of the head including a plurality of nipples projecting upwardly therefrom, and wherein the upper surface of each leg includes a plurality of nipples projecting upwardly therefrom.
- 16. The artificial bait structure of claim 4 wherein the bottom surface of each leg defines a shoulder adjacent the rearward end of the head.
- 17. The artificial bait structure of claim 1 wherein the inner edge of each leg includes a generally linear portion adjacent the rearward end of the leg, and a concave arcuate portion projecting toward the outer edge of the leg forwardly of the linear portion.
- 18. The artificial bait structure of claim 1 wherein the outer edge of each leg has a generally convex shape.
 - 19. A fishing lure, comprising

a hook member having a generally straight shank extending along an axis, a tail section extending along a second axis, parallel to the axis of the shank, and a curved section interconnecting the shank and the tail section;

a head mounted on the hook member and having a first forward end and a second rearward end, the head including a first generally planar upper surface and an opposite, second, generally planar bottom surface, each surface lying in the plane parallel to the axis of the shank such that the first planar upper surface of the head is spaced from the tail section of the hook member; and

first and second legs projecting rearwardly from the rearward end of the head, each leg extending along an axis generally parallel to the axis of the shank member.

20. The fishing lure of claim 19 wherein each leg projecting rearwardly from the head is defined by a first inner edge and a second outer edge and terminates at a

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rearward end, each leg further including generally planar upper surface, and a generally planar bottom surface.

- 21. The fishing lure of claim 20 further comprising a rib extending along an outer edge of each leg between the head and the rearward end of the leg.
- 22. The fishing lure of claim 19 further comprising a projection projecting rearwardly from the rearward end of each leg.
 - 23. An artificial bait structure to be drawn through a body of water, comprising: a head;

first and second legs projecting from the head, wherein the head and legs extend along a longitudinal axis; and

means projecting from each leg so as to cause lateral movement of each leg with respect to the longitudinal axis as the artificial bait structure is drawn through the body of water.

- 24. The artificial bait structure of claim 23 further comprising a means for facilitating movement of each leg in a direction transverse to the lateral movement of each leg as the artificial bait structure is drawn through the body of water.
- 25. The artificial bait structure of claim 23 wherein the head include a means for agitating the body of water as the artificial bait structure is drawn therethrough.
 - 26. An artificial bait structure, comprising:

a head defining a forward end of the artificial bait structure and having a thickness; and

a pair of legs extending rearwardly from the head, wherein the legs are configured such that each leg defines an outer edge located laterally outwardly relative to the head and such that the legs define facing inner edges, wherein the legs have a thickness less than that of the head.

- 27. The artificial bait structure of claim 26, wherein each leg defines a rib at its outer edge having a thickness greater than that of the leg inwardly of the rib.
- 28. The artificial bait structure of claim 27, wherein the leg inner edges define an arcuate opening located toward the head.

ARTIFICIAL BAIT STRUCTURE ABSTRACT

An artificial bait structure is provided which simulates movement of live bait when drawn through a body of water, and which discourages entanglement in weeds

at the bottom of a lake or river. The artificial bait structure includes a head having first and second legs projecting therefrom. The legs include a plurality of nipples which are engaged by the water as the artificial bait structure is drawn therethrough, causing the legs to flutter. A rib extends along the outer edge of each leg in order to cup the water as the artificial bait structure is drawn therethrough, thereby causing the legs to repeatedly separate and come together.

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PTO/SB/01	Attorney Docket Number	623-00027								
(8/96)	First Named Inventor	First Named Inventor William E. Chambers, Sr.								
DECLARATION		COMPLETE IF KNOWN								
Declaration OR Declaration	Application Number									
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As a below named inventor. I hereby declare that: My residence, post office address, and citizenship are I believe I am the original, first and sole inventor (listed below) of the subject matter which is claimed a		riginal, first and joint inver vention entitled:	itor (if plural names are							
	(Title of the Invention)									
the specification of which										
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Number and was amended	on (MM/DD/YYYY)	(if applicable).								
I hereby state that I have reviewed and under as amended by any amendment specifically reful acknowledge the duty to disclose information Regulations, §1.56. I hereby claim foreign priority benefits under Title certificate, or §365(a) of any PCT international applicand have also identified below, by checking the box, a having a filing date before that of the application of	erred to above. on which is material to patentabilit	ty as defined in Title 37	'Code of Federal							
Prior Foreign Application Country Number(s)	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Copy Attached? YES NO							
[] Additional foreign application number	rs are listed on a supplemental prio	ority sheet attached here	to:							
I hereby claim the benefit under Title 35, below.										
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		DE	CLARA	ATION						
I hereby claim the benefit under Titl designating the United States of Ameri prior United States or PCT Internation duty to disclose information which is the filing date of the prior applicat	e 35. United States ca. listed below an nal application in t material to patent ion and the nationa	Code §120 of nd, insofar as the manner pro ability as def l or PCT inter	any Uni the sub vided by fined in	ted States a ject matter y the first p n Title 37, c nl filing da	application(s) of each of the paragraph of T Code of Federa te of this app	, or §365(c claims of itle 35, Un Regulation	this appointed States	y PCT inte plication ates Code 6 which be	rnational app is not disclo §112, I ackno came availabl	lication sed in the wledge the e between
U.S. Parent Application Number		nt Number		Parent Filing Date (MM/DD/YYYY)				Parent Patent Number (if applicable)		
Nullbei										
Additional U.S. or PCT in										
As a named inventor, I hereby a mall business in the Patent and	Trademark Office	e connected	therev	vith:	enc(s) co pr	OSECUCE (.nrs up	pricatio		4.1040
Name		stration umber			Name		Registration Number			
Glenn O Starke Eugene R. Sawall Daniel D. Fetterley George H. Solveson Gary A. Essmann Thomas M. Wozny Michael E. Taken	20 20 20 20 20 20	7,031 7,431 0,323 5,927 9,376 8,922 8,120	A P E M	Joseph J. Jochman, Jr. Andrew S. McConnell Peter C. Stomma Edward R. Williams, Jr. Mimi C. Goller William L. Falk				25, 058 32, 272 36, 020 36, 057 39, 046 27, 709		
Additional attorney(s) and	Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.									
X Please direct all corresp	ondence to:	Name	ANDRE	W S. McCON	NNELL			·		
Address <u>Andrus</u> , Sceales,	Starke & Sawall									
Address 100 East Wisconsi						7:-	500	200 4170	-	
City <u>Milwaukee</u>	State Talanhana		sconsin Zip 14) 271-7590 Fax				53202-4178 (414) 271-5770			
Country United States Telephone (414) 271-7590 Fax (414) 271-5770 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.										
Name of Sole or First Inventor: A petition has been filed for this unsigned inventor										
Given WILLIAM Middle E. Family CHAMBERS Suffix SF Name e.g. Jr.						SR.				
Inventor's Signature William	n 6.6-	Rank	len	Lr.			Date	1-5	29-97	-
RESIDENCE: City Watkinsville State GA Country USA Citizenship USA										
POST OFFICE ADDRESS 1431 Unit	on Church Road									
City Watkinsville	State GA		Zip	30677	Country	USA				
[] Additional inventors ar	re being named o	n supplement	al she	eet(s) att	ached hereto)			·	

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(c)) - SMALL BUSINESS CONCERN

declare that I am
[] the owner of the small business concern identified below:
[X] an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF	CONCERN 2	OOM BAIT COM	PANY, INC.	•
	OF CONCERN			Road
		Bogart, G	eorgia 30	0622

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

	controls or has the power to control the other, or a third party or parties controls or has the power to control both.
A 5 CM (JA	I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled

Bogart, Georgia 30622

